STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthorne, Governor
Toni Hardesty, Director

September 15, 2005

Certified Mail No. 7005 0390 0003 2967 8595

Arthur Garcia
Owner
Treasure Valley Chrome Plating, LLC
201 SW 2nd Street
Fruitland, ID 83619

RE: Facility ID No. 075-00010, Treasure Valley Chrome Plating, LLC, Fruitland
Final Permit Letter

Dear Mr. Garcia:

The Idaho Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) Number P-050005 to Treasure Valley Chrome Plating, LLC, in Fruitland, in accordance with IDAPA 58.01.01.200 through 228 (Rules for the Control of Air Pollution in Idaho).

This permit does not release Treasure Valley Chrome Plating, LLC from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

A representative of the Boise Region Regional Office will contact you regarding a meeting with DEQ to discuss the permit terms and requirements. DEQ recommends the following representatives attend the meeting: your facility's plant manager, responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions.

Pursuant to IDAPA 58.01.23, you, as well as any other entity, may have the right to appeal this final agency action within 35 days of the date of this decision. However, prior to filing a petition for a contested case, I encourage you to call Bill Rogers at (208) 373-0502 to address any questions or concerns you may have with the enclosed permit.

Sincerely,

Martin Bauer, Administrator
Air Quality Division

MB/SYC/sd Permit No. P-050005

Enclosures

	Air Quality **PERMIT TO CONSTRUCT** **State of Idaho** **Department of Environmental Quality**	**PERMIT No.:** P- 050005 **FACILITY ID No.:** 075-00010 **AQCR:** 63 **CLASS:** B **SIC:** 3471 **ZONE:** 11 **UTM COORDINATE (km):** 506.8, 4873.0

1. **PERMITTEE**
Treasure Valley Chrome Plating, LLC

2. **PROJECT**
Chrome, Nickel, and Copper Electroplating and Polishing Plant – Initial Permit to Construct

3. **MAILING ADDRESS** 201 SW 2nd Street	**CITY** Fruitland	**STATE** ID	**ZIP** 83619
4. **FACILITY CONTACT** Arthur Garcia	**TITLE** Owner	**TELEPHONE** (208) 405-9071	
5. **RESPONSIBLE OFFICIAL** Arthur Garcia	**TITLE** Owner	**TELEPHONE** (208) 405-9071	
6. **EXACT PLANT LOCATION** 201 SW 2nd Street		**COUNTY** Payette	

7. **GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**
Chrome, nickel, and copper electroplating and polishing plant

8. **GENERAL CONDITIONS**

This permit is issued according to IDAPA 58.01.01.200, Rules for the Control of Air Pollution in Idaho, and pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be constructed or modified by this permit.

This permit (a) does not affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to damage to person or property caused by, resulting from, or arising out of the design, installation, maintenance, or operation of the proposed equipment; (c) does not release the permittee from compliance with other applicable federal, state, tribal, or local laws, regulations, or ordinances; (d) in no manner implies or suggests that the Department of Environmental Quality (DEQ) or its officers, agents, or employees, assume any liability, directly or indirectly, for any loss due to damage to person or property caused by, resulting from, or arising out of design, installation, maintenance, or operation of the proposed equipment.

This permit will expire if construction has not begun within two years of its issue date or if construction is suspended for one year.

This permit has been granted on the basis of design information presented with its application. Changes of design or equipment may require DEQ approval pursuant to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.200, et seq.

TONI HARDESTY, DIRECTOR
DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED: September 15, 2005

Table of Contents

Acronyms, Units, and Chemical Nomenclature

AQCR	Air Quality Control Region
ASTM	American Society for Testing and Materials
CFR	Code of Federal Regulations
DEQ	Department of Environmental Quality
dscf	dry standard cubic feet
EPA	U.S. Environmental Protection Agency
gr	grain (1 lb = 7,000 grains)
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometer
PM	particulate matter
PTC	permit to construct
SIC	Standard Industrial Classification
TVCP	Treasure Valley Chrome Plating, LLC
UTM	Universal Transverse Mercator

1. PERMIT TO CONSTRUCT SCOPE

Purpose

1.1 This permit to construct (PTC) allows for the construction of an electroplating facility, in Fruitland, Idaho. This PTC is Treasure Valley Chrome Plating, LLC's initial permit.

Regulated Sources

Table 1.1 lists all sources of regulated emissions in this PTC.

Table 1.1 SUMMARY OF REGULATED SOURCES

Permit Section	Source Description	Emissions Control(s)
2	The chromium electroplating tank (chrome tank or tank 14)	Fumetrol 140 or equivalent chemical fume suppressant
2	The nickel electroplating tank (nickel tank or tank 11), the copper electroplating tank (copper tank or tank 7), other tanks used in the electroplating processes, electroplating building natural gas heater and polishing building natural gas heater.	none

40 CFR 63 Subpart N

In accordance with 40 CFR 63.340(a), the affected source to which 40 CFR 63 Subpart N apply is each chromium electroplating or chromium anodizing tank at facilities performing hard chromium electroplating, decorative chromium electroplating, or chromium anodizing. TVCP owns chromium electroplating tank performing decorative chromium electroplating. Therefore, TVCP's chroming electroplating tank is subject to 40 CFR 63 Subpart N.

In accordance with 40 CFR 63.340(c), process tanks associated with a chromium electroplating or chromium anodizing process, but in which neither chromium electroplating nor chromium anodizing is taking place, are not subject to the provisions of this subpart. Examples of such tanks include, but are not limited to, rinse tanks, etching tanks, and cleaning tanks. Likewise, tanks that contain a chromium solution, but in which no electrolytic process occurs, are not subject to this subpart. An example of such a tank is a chrome conversion coating tank where no electrical current is applied.

Therefore, the only affected source at TVCP subject to the following 40 CFR 63 Subpart N requirements is the chromium electroplating tank.

2. ELECTROPLATING PORCESS AND SPACE HEATERS

2.1 Process Description

Treasure Valley Chromium Plating (TVCP) is an electroplating facility. Their process primarily involves electroplating chromium, nickel, and copper onto various metals, such as automobile bumpers and wheels, and motorcycle gas tanks and tailpipes. The maximum rated capacity of chromium electroplating process is 5,000 Ampere. Fumetrol 140 is used to control the chromium emissions. Per the application, the control efficiency of Fumetrol 140 is 99.81%. The maximum rated capacity of nickel electroplating process, and copper electroplating processes is 5,000 Ampere, respectively. No control is used in these processes. The facility meets the definition of decorative chromium electroplating in 40 CFR 63 Subpart N.

2.2 Emissions Control Description

Fumetrol 140 or equivalent chemical fume suppressant is used in the chromium electroplating tank to control chromium emissions.

Table 2.1 ELECTROPLATING PORCESSES AND SPACE HEATERS DESCRIPTION

Emissions Unit(s) / Process(es)	Emissions Control Device	Emissions Point
The chromium electroplating tank (chrome tank or tank 14)	Fumetrol 140 or equivalent chemical fume suppressant	Electroplating building stack
The nickel electroplating tank (nickel tank or tank 11), the copper electroplating tank (copper tank or tank 7), other tanks used in the electroplating processes	none	
Electroplating building natural gas fired heater	none	Electroplating building space heater stack
Polishing building natural gas fired space heater	none	Polishing building space heater stack

Emissions Limits

2.3 Opacity Limit

Emissions from the electroplating building stack, electroplating building space heater stack, and polishing building space heater stack, or any other stack, vent, or functionally equivalent opening associated with the electroplating building stack, electroplating building space heater stack, and polishing building space heater stack, shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

2.4 Nickel Emissions Limit

The nickel emissions from the electroplating building stack shall not exceed 1.83 pounds per year.

2.5 Surface Tension Limit (40 CFR 63.342(d)(2),& (b))

In accordance with 40 CFR 63.342(d)(2), the surface tension of the chromium electroplating bath shall not exceed 45 dynes/cm (3.1×10^{-3} lb_f/ft) as measured by a stalagmometer at any time during tank operation.

In accordance with 40 CFR 63.342(b), the surface tension limitation applies during tank operation (means the time in which current and/or voltage is being applied to a chromium electroplating tank as defined in 40 CFR 63.341(a)), and during periods of startup and shutdown as these are routine occurrences for the chromium electroplating tank subject to 40 CFR 63 Subpart N. The surface tension limitation do not apply during periods of malfunction, but the work practice standards that address operation and maintenance and that are required by 40 CFR 63.342(f) or Permit Conditions 2.8 and 2.9 must be followed during malfunctions.

2.6 Fuel-Burning Equipment

The permittee shall not discharge PM to the atmosphere from any fuel-burning equipment in excess of 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume for gas.

Operating Requirements

2.7 Nickel Electroplating Tank Operation Hours

The maximum annual hours of operation of the nickel electroplating tank shall not exceed 5,089 hours per any consecutive 12-month period.

2.8 Operation and Maintenance Practice (40 CFR 63.342 (f)(1))

2.8.1 In accordance with 40 CFR 63.342(f)(1)(i), at all times, including periods of startup, shutdown, and malfunction, owners or operators shall operate and maintain any affected source, including associated air pollution control devices and monitoring equipment, in a manner consistent with good air pollution control practices, consistent with the operation and maintenance plan required by 40 CFR 63.342(f)(3) or Permit Condition 2.9.

2.8.2 In accordance with 40 CFR 63.342(f)(1)(ii), malfunctions shall be corrected as soon as practicable after their occurrence in accordance with the operation and maintenance plan required by 40 CFR 63.342(f)(3) or Permit Condition 2.9.

2.8.3 In accordance with 40 CFR 63.342(f)(1)(iii), operation and maintenance requirements established pursuant to Section 112 of the Act are enforceable independent of emissions limitations or other requirements in relevant standards.

2.9 Operation and Maintenance Plan (40 CFR 63.342(f)(3))

2.9.1 In accordance with 40 CFR 63.342(f)(3)(i), the permittee shall prepare an operation and maintenance plan to be implemented no later than immediately upon startup of the source. The plan shall be incorporated by reference into the source's title V permit, when a title V permit is required. The plan shall include the following elements:

(A) The plan shall specify the operation and maintenance criteria for the affected source, and the process and control system monitoring equipment, and shall include a standardized checklist to document the operation and maintenance of this equipment;

(B) For sources using monitoring equipment (i.e. stalagmometer for TVCP) to comply with 40 CFR 63 Subpart N, the plan shall incorporate the operation and maintenance practices for that monitoring equipment by following manufacturers recommendations, as identified in Table 1 of 40 CFR 63 Subpart N.

(C) The plan shall specify procedures to be followed to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur; and

(D) The plan shall include a systematic procedure for identifying malfunctions of process equipment, and process and control system monitoring equipment and for implementing corrective actions to address such malfunctions.

2.9.2 In accordance with 40 CFR 63.342(f)(3)(ii), if the operation and maintenance plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the owner or operator shall revise the operation and maintenance plan within 45 days after such an event occurs. The revised plan shall include procedures for operating and maintaining the process equipment, or monitoring equipment during similar malfunction events, and a program for corrective action for such events.

2.9.3 In accordance with 40 CFR 63.342(f)(3)(iii), recordkeeping associated with the operation and maintenance plan is identified in 40 CFR 63.346(b) or Permit Condition 2.12. Reporting associated with the operation and maintenance plan is identified in 40 CFR 63.347 (h) or Permit Condition 2.14.4 and 40 CFR 63.342(f)(3)(iv) or Permit Condition 2.9.4.

2.9.4 In accordance with 40 CFR 63.342(f)(3)(iv), If actions taken by the owner or operator during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan required by 40 CFR 63.342(f)(3)(i) or Permit Condition 2.9.1, the owner or operator shall record the actions taken for that event and shall report by phone such actions within two working days after commencing actions inconsistent with the plan. This report shall be followed by a letter within seven working days after the end of the event, unless the owner or operator makes alternative reporting arrangements, in advance, with DEQ.

2.9.5 In accordance with 40 CFR 63.342(f)(3)(v), The owner or operator shall keep the written operation and maintenance plan on record after it is developed to be made available for inspection, upon request, by DEQ for the life of the affected source or until the source is no longer subject to the provisions of 40 CFR 63 Subpart N. In addition, if the operation and maintenance plan is revised, the owner or operator shall keep previous (i.e., superseded) versions of the operation and maintenance plan on record to be made available for inspection, upon request, by DEQ for a period of five years after each revision to the plan.

2.9.6 In accordance with 40 CFR 63.342(f)(3)(vi), to satisfy the requirements of 40 CFR 63.342(f)(3) or Permit Condition 2.9, the owner or operator may use applicable standard operating procedure manuals, Occupational Safety and Health Administration plans, or other existing plans, provided the alternative plans meet the requirements of 40 CFR 63.342 or Permit Condition 2.5.

Monitoring and Recordkeeping Requirements

2.10 Nickel Electroplating Tank Operation Hour Monitoring

The permittee shall monitor and record daily, monthly, and annually the hours of operation of the nickel tank to demonstrate compliance with Permit Condition 2.7. Annual hours of operations shall be determined by summing daily hours of operation monthly and monthly hours of operation over the previous consecutive 12-month period. Records of this information shall remain on site for the most recent five year period and shall be made available to DEQ representatives upon request.

2.11 Monitoring to Demonstrate Continuous Compliance (40 CFR 63.343(c)(5))

The permittee has accepted 45 dynes/cm as measured by a stalagmometer as the maximum surface tension value that corresponds to compliance with the applicable emission limitation.

2.11.1 In accordance with 40 CFR 63.343(c)(5)(ii), operation of the affected source at a surface tension greater than 45 dynes/cm as measured by a stalagmometer shall constitute noncompliance with the standards. The surface tension shall be monitored according to the following schedule:

(A) The surface tension shall be measured once every four hours during operation of the tank with a stalagmometer as specified in 40 CFR 63 Appendix, Test Method 306B, which is included as Appendix of this permit.

(B) The time between monitoring can be increased if there have been no exceedances. The surface tension shall be measured once every four hours of tank operation for the first 40 hours of tank operation after the compliance date. Once there are no exceedances during 40 hours of tank operation, surface tension measurement may be conducted once every eight hours of tank operation. Once there are no exceedances during 40 hours of tank operation, surface tension measurement may be conducted once every 40 hours of tank operation on an ongoing basis, until an exceedance occurs. The minimum frequency of monitoring allowed by 40 CFR 63 Subpart N is once every 40 hours of tank operation.

(C) Once an exceedance occurs as indicated through surface tension monitoring, the original monitoring schedule of once every four hours must be resumed. A subsequent decrease in frequency shall follow the schedule laid out in 40 CFR 63.343(c)(5)(ii)(B) or Permit Condition 2.11.1(B). For example, if an owner

or operator had been monitoring an affected source once every 40 hours and an exceedance occurs, subsequent monitoring would take place once every four hours of tank operation. Once an exceedance does not occur for 40 hours of tank operation, monitoring can occur once every eight hours of tank operation. Once an exceedance does not occur for 40 hours of tank operation on this schedule, monitoring can occur once every 40 hours of tank operation.

2.11.2 In accordance with 40 CFR 63.343(c)(5)(iii), once a bath solution is drained from the affected tank and a new solution added, the original monitoring schedule of once every four hours must be resumed, with a decrease in monitoring frequency allowed following the procedures of 40 CFR 63.343(c)(5)(ii) (B) and (C) or Permit Conditions 2.11.1(B) and (C).

2.12 Recordkeeping Requirements (40 CFR 63.346)

In accordance with 40 CFR 63.346(b), the permittee of an affected source subject to the provisions of 40 CFR 63 Subpart N shall maintain the following records for such source:

(1) Records of all maintenance performed on the affected source, and monitoring equipment;

(2) Records of the occurrence, duration, and cause (if known) of each malfunction of process, and monitoring equipment;

(3) Records of actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan;

(4) Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the operation and maintenance plan required by 40 CFR 63.342(f)(3) or Permit Condition 2.9;

(5) Records of monitoring data required by 40 CFR 63.343(c)(5) or Permit Condition 2.11 that are used to demonstrate compliance with the standard including the date and time the data are collected;

(6) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during malfunction of the process, or monitoring equipment;

(7) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during periods other than malfunction of the process, or monitoring equipment;

(8) The total process operating time of the affected source during the reporting period;

(9) For sources using fume suppressants to comply with the standards, records of the date and time that fume suppressants are added to the electroplating bath;

(10) Any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements, if the source has been granted a waiver under 40 CFR 63.10(f); and

(11) All documentation supporting the notifications and reports required by 40 CFR 63.343(6), by 40 CFR 63.9(h)(6),(i), and (j), by 40 CFR 63.10(d)(4), if applicable, and by 40 CFR 63.347 or Permit Condition 2.14.

In accordance with 40 CFR 63.10(b)(1) or 40 CFR 63.346(c), all records shall be maintained for a period of five years.

Reporting Requirements

2.13 Notification (40 CFR 63.345(b))

2.13.1 In accordance with 40 CFR 63.345(b)(1), no person may construct a new affected source or reconstruct an affected source subject to 40 CFR 63 Subpart N, or reconstruct a source such that it becomes an affected source subject to 40 CFR 63 Subpart N, without submitting a notification of construction or reconstruction to DEQ.

The notification shall contain the information identified in 40 CFR 63.345(b)(2) or Permit Condition 2.13.2:

2.13.2 In accordance with 40 CFR 63.345(b)(2), the notification of construction or reconstruction required under 40 CFR 63.345(b)(1) shall include:

(1) The owner or operator's name, title, and address;

(2) The address (i.e., physical location) or proposed address of the affected source if different from the owner's or operator's;

(3) A notification of intention to construct a new affected source or make any physical or operational changes to an affected source that may meet or has been determined to meet the criteria for a reconstruction as defined in §63.2;

(4) An identification of subpart N of this part as the basis for the notification;

(5) The expected commencement and completion dates of the construction or reconstruction;

(6) The anticipated date of (initial) startup of the affected source;

(7) The type of process operation to be performed (hard or decorative chromium electroplating, or chromium anodizing);

(8) A description of the air pollution control technique to be used to control emissions from the affected source, such as preliminary design drawings and design capacity if an add-on air pollution control device is used; and

(9) An estimate of emissions from the source based on engineering calculations and vendor information on control device efficiency, expressed in units consistent with the emission limits of 40 CFR 63 Subpart N. Calculations of emission estimates should be in sufficient detail to permit assessment of the validity of the calculations.

2.13.3 In accordance with 40 CFR 63.345(b)(4), the owner or operator of a new or reconstructed affected source that submits a notification in accordance with Permit Condition 2.13 is not subject to approval by DEQ. Construction or reconstruction is subject only to notification and can begin upon submission of a complete notification.

2.13.4 In accordance with 40 CFR 63.345(b)(5)(i), the notification shall be submitted as soon as practicable before the construction or reconstruction is planned to commence.

2.14 Reporting Requirements (40 CFR 63.347)

2.14.1 In accordance with 40 CFR 63.347(a), the owner or operator of each affected source subject to these standards shall fulfill all reporting requirements outlined in 40 CFR 63 Subpart N and in the General Provisions to 40 CFR part 63, according to the applicability of subpart A as identified in Table 1 of 40 CFR 63 Subpart N or this permit condition. These reports shall be made to DEQ.

(1) Reports required by 40 CFR 63 subpart A and 40 CFR 63 Subpart N may be sent by U.S. mail, fax, or by another courier.

(i) Submittals sent by U.S. mail shall be postmarked on or before the specified date.

(ii) Submittals sent by other methods shall be received by the Administrator on or before the specified date.

(2) If acceptable to both the Administrator and the owner or operator of an affected source, reports may be submitted on electronic media.

2.14.2 *Initial notifications*

In accordance with 40 CFR 63.347(c)(2), the permittee shall submit an initial notification in addition to the notification of construction or reconstruction required by §63.345(b) as follows:

(1) A notification of the date when construction or reconstruction was commenced, shall be submitted no later than 30 calendar days after such date, if construction or reconstruction was commenced after January 25, 1995; and

(2) A notification of the actual date of startup of the source shall be submitted within 30 calendar days after such date.

2.14.3 *Notification of compliance status.*

In accordance with 40 CFR 63.347(e), (1) A notification of compliance status is required each time that an affected source becomes subject to the requirements of 40 CFR 63 Subpart N.

(2) Each time a notification of compliance status is required under 40 CFR 63, the owner or operator of an affected source shall submit to DEQ a notification of compliance status, signed by the responsible official (as defined in 40 CFR63.2) who shall certify its accuracy, attesting to whether the affected source has complied with 40 CFR 63 Subpart N. The notification shall list for each affected source:

(i) The applicable emission limitation and the methods that were used to determine compliance with this limitation;

(ii) A statement that the owner or operator has completed and has on file the operation and maintenance plan as required by the work practice standards in 40 CFR 63.342(f) or Permit Conditions 2.8 and 2.9;

(iii) A statement by the owner or operator of the affected source as to whether the source has complied with the provisions of 40 CFR 63 Subpart N.

(3) The notification of compliance status shall be submitted to DEQ no later than 30 days after the compliance date specified in §63.343(a) because TVCP's source are not required to complete a performance test in accordance with §63.343(b),.

2.14.4 *Ongoing compliance status reports for area sources.*

In accordance with 40 CFR 63.347(h), the requirements of 40 CFR 63.347 or Permit Condition 2.14 do not alleviate affected area sources from complying with the requirements of State or Federal operating permit programs under 40 CFR part 71.

(1) The owner or operator of an affected source that is located at an area source site shall prepare a summary report to document the ongoing compliance status of the affected source. The report shall contain the information identified in 40 CFR 63.347(g)(3) or the following, shall be completed annually and retained on site, and made available to DEQ upon request. The report shall be completed annually except as provided in paragraph 40 CFR 63.347(h)(2) or Permit Condition 2.14.4(2).

Contents of ongoing compliance status report ((40 CFR 63.347(g)(3)), The owner or operator of an affected source for which compliance monitoring is required in accordance with 40 CFR 63.343(c) or Permit Condition 2.11 shall prepare a summary report to document the ongoing compliance status of the source. The report must contain the following information:

(i) The company name and address of the affected source;

(ii) An identification of the operating parameter that is monitored for compliance determination, as required by 40 CFR 63.343(c) or Permit Condition 2.11;

(iii) The relevant emission limitation for the affected source, and the operating parameter value, or range of values, that correspond to compliance with this emission limitation as specified in the notification of compliance status required by 40 CFR 63.347(e) or Permit Condition 2.14.3;

(iv) The beginning and ending dates of the reporting period;

(v) A description of the type of process performed in the affected source;

(vi) The total operating time of the affected source during the reporting period;

(vii) A summary of operating parameter values, including the total duration of excess emissions during the reporting period as indicated by those values, the total duration of excess emissions expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to process upsets, control equipment malfunctions, other known causes, and unknown causes;

(viii) A certification by a responsible official, that the work practice standards in 40 CFR 63.342(f) or Permit Conditions 2.8 and 2.9 were followed in accordance with the operation and maintenance plan for the source;

(ix) If the operation and maintenance plan required by 40 CFR 63.342(f)(3) or Permit Condition 2.9 was not followed, an explanation of the reasons for not following the provisions, an assessment of whether any excess emission and/or parameter monitoring exceedances are believed to have occurred, and a copy of the report(s) required by 40 CFR 63.342(f)(3)(iv) or Permit Condition 2.9.4 documenting that the operation and maintenance plan was not followed;

(x) A description of any changes in monitoring, processes, or controls since the last reporting period;

(xi) The name, title, and signature of the responsible official who is certifying the accuracy of the report; and

(xii) The date of the report.

(2) Reports of exceedances.

(i) If both of the following conditions are met, semiannual reports shall be prepared and submitted to DEQ:

(A) The total duration of excess emissions (as indicated by the monitoring data collected by the owner or operator of the affected source in accordance with 40 CFR 63.343(c) or Permit Condition 2.11) is 1% or greater of the total operating time for the reporting period; and

(B) The total duration of malfunctions of the add-on air pollution control device and monitoring equipment is 5% or greater of the total operating time.

(ii) Once an owner or operator of an affected source reports an exceedance as defined in 40 CFR 63.347(h)(2)(i) or Permit Condition 2.14.4(2) ongoing compliance status reports shall be submitted semiannually until a request to reduce reporting frequency under 40 CFR 63.347(h)(3) or Permit Condition 2.14.4(3) is approved.

(iii) DEQ may determine on a case-by-case basis that the summary report shall be completed more frequently and submitted, or that the annual report shall be submitted instead of being retained on site, if these measures are necessary to accurately assess the compliance status of the source.

(3) Request to reduce frequency of ongoing compliance status reports.

(i) An owner or operator who is required to submit ongoing compliance status reports on a semiannual (or more frequent) basis, or is required to submit its annual report instead of retaining it on site, may reduce the frequency of reporting to annual and/or be allowed to maintain the annual report onsite if all of the following conditions are met:

(A) For one full year (e.g., two semiannual or four quarterly reporting periods), the ongoing compliance status reports demonstrate that the affected source is in compliance with the relevant emission limit;

(B) The owner or operator continues to comply with all applicable recordkeeping and monitoring requirements of subpart A of this part and 40 CFR 63 Subpart N; and

(C) DEQ does not object to a reduced reporting frequency for the affected source, as provided in paragraphs 40 CFR 63.347(h)(3) (ii) and (iii) or Permit Conditions 2.14.4(3)(ii) and (iii).

(ii) The frequency of submitting ongoing compliance status reports may be reduced only after the owner or operator notifies DEQ in writing of his or her intention to make such a change, and DEQ does not object to the intended change. In deciding whether to approve a reduced reporting frequency, DEQ may review information concerning the source's previous performance history during the five-year recordkeeping period prior to the intended change, or the recordkeeping period since the source's compliance date, whichever is shorter. Records subject to review may include performance test results, monitoring data, and evaluations of an owner or operator's conformance with emission limitations and work practice standards. Such information may be used by DEQ to make a judgment about the source's potential for noncompliance in the future. If DEQ disapproves the owner or operator's request to reduce reporting frequency, DEQ will notify the owner or operator in writing within 45 days after receiving notice of the owner or operator's intention. The notification from DEQ to the owner or operator will specify the grounds on which the disapproval is based. In the absence of a notice of disapproval within 45 days, approval is automatically granted.

(iii) As soon as the monitoring data required by 40 CFR 63.343(c) or Permit Condition 2.11 show that the source is not in compliance with the relevant emission limit, the frequency of reporting shall revert to semiannual, and the owner shall state this exceedance in the ongoing compliance status report for the next reporting period. After demonstrating ongoing compliance with the relevant emission limit for another full year, the owner or operator may again request approval from DEQ to reduce the reporting frequency as allowed by 40 CFR 63.347(h)(3) or Permit Condition 2.14.4(3).

2.15 Nickel Tank Operation Hour

The permittee shall report any exceedance of operation hours of the nickel electroplating tank as soon as practical or with 24 hours of the exceedance occurrence.

Title V Permitting

2.16 In accordance with 40 CFR 63.340(e)(2), the permittee shall submit a title V permit application by December 9, 2005.

3. PERMIT TO CONSTRUCT GENERAL PROVISIONS

1. The permittee has a continuing duty to comply with all terms and conditions of this permit. All emissions authorized herein shall be consistent with the terms and conditions of this permit and the Rules for the Control of Air Pollution in Idaho. The emissions of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code §39-101, et seq.

2. The permittee shall at all times (except as provided in the Rules for the Control of Air Pollution in Idaho) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable Idaho laws for the control of air pollution.

3. The permittee shall allow the Director, and/or the authorized representative(s), upon the presentation of credentials:

   - To enter, at reasonable times, upon the premises where an emissions source is located, or in which any records are required to be kept under the terms and conditions of this permit.
   - At reasonable times, to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and require stack compliance testing in conformance with IDAPA 58.01.01.157 when deemed appropriate by the Director.

4. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.

5. The permittee shall notify DEQ, in writing, of the required information for the following events within 5 working days after occurrence:

   - Initiation of Construction - Date
   - Completion/Cessation of Construction - Date
   - Actual Production Startup - Date
   - Initial Date of Achieving Maximum Production Rate - Production Rate and Date

6. If performance testing (air emissions source test) is required by this permit, the permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test date or shorter time period as approved by DEQ. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests that such testing not be performed on weekends or state holidays.

All performance testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior DEQ approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by DEQ for any testing deviations, DEQ may determine that the testing does not satisfy the testing requirements. Therefore, at least 30 days prior to conducting any performance test, the permittee is encouraged to submit a performance test protocol to DEQ for approval. The written protocol shall include a description of the test method(s) to be used, an explanation of any or unusual circumstances regarding the proposed test, and the proposed test schedule for conducting and reporting the test.

Within 30 days following the date in which a performance test required by this permit is concluded, the permittee shall submit to DEQ a performance test report. The written report shall include a description of the process, identification of the test method(s) used, equipment used, all process operating data collected during the test period, and test results, as well as raw test data and associated documentation, including any approved test protocol.

7. The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

8. In accordance with IDAPA 58.01.01.123, all documents submitted to DEQ, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certification shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

APPENDIX

40 CFR 63 Appendix A Method 306 B, as of July 26, 2005

Method 306B—Surface Tension Measurement for Tanks Used at Decorative Chromium Electroplating and Chromium Anodizing Facilities

Note: This method does not include all of the specifications (*e.g.*, equipment and supplies) and procedures (*e.g.*, sampling and analytical) essential to its performance. Some material is incorporated by reference from other methods in 40 CFR Part 60, Appendix A and in this part. Therefore, to obtain reliable results, persons using this method should have a thorough knowledge of at least Methods 5 and 306.

1.0 Scope and Application

1.1 Analyte. Not applicable.

1.2 Applicability. This method is applicable to all decorative chromium plating and chromium anodizing operations, and continuous chromium plating at iron and steel facilities where a wetting agent is used in the tank as the primary mechanism for reducing emissions from the surface of the plating solution.

2.0 Summary of Method

2.1 During an electroplating or anodizing operation, gas bubbles generated during the process rise to the surface of the liquid and burst. Upon bursting, tiny droplets of chromic acid become entrained in ambient air. The addition of a wetting agent to the tank bath reduces the surface tension of the liquid and diminishes the formation of these droplets.

2.2 This method determines the surface tension of the bath using a stalagmometer or a tensiometer to confirm that there is sufficient wetting agent present.

3.0 Definitions [Reserved]

4.0 Interferences [Reserved]

5.0 Safety

5.1 Disclaimer. This method may involve hazardous materials, operations, and equipment. This test method may not address all of the safety problems associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to performing this test method.

6.0 Equipment and Supplies

6.1 Stalagmometer. Any commercially available stalagmometer or equivalent surface tension measuring device may be used to measure the surface tension of the plating or anodizing tank liquid.

6.2 Tensiometer. A tensiometer may be used to measure the surface tension of the tank liquid provided the procedures specified in ASTM Method D 1331–89, Standard Test Methods for Surface and Interfacial Tension of Solutions of Surface Active Agents (incorporated by reference—see §63.14) are followed.

7.0 Reagents and Standards [Reserved]

8.0 Sample Collection, Sample Recovery, Sample Preservation, Sample Holding Times, Storage, and Transport [Reserved]

9.0 Quality Control [Reserved]

10.0 Calibration and Standardization [Reserved]

11.0 Analytical Procedure

11.1 Procedure. The surface tension of the tank bath may be measured by using a tensiometer, a stalagmometer or any other equivalent surface tension measuring device approved by the Administrator for measuring surface tension in dynes per centimeter. If the tensiometer is used, the procedures specified in ASTM Method D 1331–89 must be followed. If a stalagmometer or other device is used to measure surface tension, the instructions provided with the measuring device must be followed.

11.2 Frequency of Measurements.

11.2.1 Measurements of the bath surface tension are performed using a progressive system which decreases the frequency of surface tension measurements required when the proper surface tension is maintained.

11.2.1.1 Initially, following the compliance date, surface tension measurements must be conducted once every four-hours of tank operation for the first 40-hours of tank operation.

11.2.1.2 Once there are no exceedances during a period of 40-hours of tank operation, measurements may be conducted once every eight hours of tank operation.

11.2.1.3 Once there are no exceedances during a second period of 40 consecutive hours of tank operation, measurements may be conducted once every 40-hours of tank operation on an on-going basis, until an exceedance occurs. The maximum time interval for measurements is once every 40-hours of tank operation.

11.2.2 If a measurement of the surface tension of the solution is above the 45 dynes per centimeter limit, or above an alternate surface tension limit established during the performance test, the time interval shall revert back to the original monitoring schedule of once every 4 hours. A subsequent decrease in frequency would then be allowed according to Section 11.2.1.

12.0 Data Analysis and Calculations

12.1 Log Book of Surface Tension Measurements and Fume Suppressant Additions.

12.1.1 The surface tension of the plating or anodizing tank bath must be measured as specified in Section 11.2.

12.1.2 The measurements must be recorded in the log book. In addition to the record of surface tension measurements, the frequency of fume suppressant maintenance additions and the amount of fume suppressant added during each maintenance addition must be recorded in the log book.

12.1.3 The log book will be readily available for inspection by regulatory personnel.

12.2 Instructions for Apparatus Used in Measuring Surface Tension.

12.2.1 Included with the log book must be a copy of the instructions for the apparatus used for measuring the surface tension of the plating or anodizing bath.

12.2.2 If a tensiometer is used, a copy of ASTM Method D 1331–89 must be included with the log book.

13.0 Method Performance [Reserved]

14.0 Pollution Prevention [Reserved]

15.0 Waste Management [Reserved]

16.0 References [Reserved]

17.0 Tables, Diagrams, Flowcharts, and Validation Data [Reserved]